

Dear NASA engineering community member:

On behalf of the organizing committee, I invite you to participate in the **"Rigorous Test and Evaluation for Defense, Aerospace, and National Security" workshop** in the **Washington D.C. area at the Crystal City Marriott, April 11-13, 2016**.

This workshop is an element of the Interagency Statistical Engineering Agreement between NASA's Office of Chief Engineer and the Director, Operational Test & Evaluation (DOT&E) within the Office of the Secretary of Defense.

The primary **objective** of the workshop is to provide a forum for the professional communities to share and discuss statistical approaches to test design and evaluation, including the characterization of system performance capabilities. The workshop will provide training, case studies, and leadership perspectives on how new and mature statistical methods can be implemented and provide value to research, development, and testing.

The primary **audience** for this meeting is analysts/practitioners from across the DoD, NASA, the National Labs, and other areas of the Federal Government. This forum will induce an interactive environment with academic and industry experts in the statistical sciences. We are working to make this a practitioner/analyst focused meeting rather than an academic flavored research conference – note our significant focus on training and tutorials in the program.

In general, **registration** is open to anyone affiliated with NASA (Civil Servant, other government collaborators, contract, academic communities).

**For more information**, see attached flyer and: <https://testsciencemeeting.ida.org>

We hope that you will be able to join us and contribute to the workshop. It's a great value for this amount of training.

If you have any questions please do not hesitate to contact me.

Sincerely,  
Pete

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# RIGOROUS TEST AND EVALUATION FOR DEFENSE, AEROSPACE AND NATIONAL SECURITY

CRYSTAL CITY MARRIOTT AT REAGAN NATIONAL AIRPORT

APRIL 11-13, 2016

## MEETING OBJECTIVES

- Bring together the scientific community to discuss test and evaluation
- Illustrate the importance of scientific approaches to test and evaluation
- Provide quality training opportunities for the analytical community in support of the NASA/OSD Statistical Engineering Initiative

## COME TO LISTEN

### Diverse presentations and speakers:

- Keynotes and panels by high level organizational leadership
- Case studies to demonstrate the importance of using rigorous analytical methods
- Tutorials on statistical methods

## COME TO LEARN

### Short Courses will cover essential skills:

- Design of Experiments
- Reliability Analysis
- Statistical Regression
- Bayesian Methods

## COME TO SHARE

### Case Studies and Technical Sessions on:

- Modeling and Simulation
- Bayesian Risk Assessment for Limited Data Evaluations
- Characterization of System Performance, Effectiveness
- And much more...

## KEYNOTE SPEAKERS:

Dr. Mike Gilmore (DOT&E)

Dr. Christine Anderson Cook

(Statistical Engineering Expert from Los Alamos National Lab)

Dr. Catherine Warner (Science Advisor, DOT&E Chairing a Technical Leadership Panel)

Dr. Anna-Maria McGowan (NASA Senior Engineer for Complex Systems Design)

For more information: [www.testsciencemeeting.ida.org](http://www.testsciencemeeting.ida.org)